

1-4 All Connect Jefferson County

DATE: Friday, February 28, 2014

FROM: Clint D. Johnston, Executive Director – 1-4 All Connect Jefferson County Consortium

TO: Federal Communication Commission (FCC) Staff

SUBJECT: Expression of Interest – Rural Trails Docket No. 10-90

Background and Geographical Information: 1-4 All Connect Jefferson County is a consortium of 11 public school districts, Jefferson College, and the 911 Communications Board of Directors for Jefferson County serving 657 square miles of Jefferson County Missouri. The 7th most populated county in Missouri includes 220,209 citizens with more that 40,000 of them being K-12 students. While Jefferson County is adjacent to Urban areas of the state, there are still many areas that mirror out-state counties that do not have high-speed broadband service. The intent of the 1-4 All consortium is to bring wireless technology to the entire county using RF Wi-Fi and Wi-Max service models. These units will be placed on eighteen (18) 911 towers that have been constructed about the county. By working with other government agencies we plan to implement a high speed broadband service for a much lower cost model allowing for all Jefferson County students and residents to attain access for educational and business purposes. Our community has repeatedly requested robust, reliable and affordable services for educational and business purposes and 1-4 All is ready to step up to provide them with this 21st century essential service.

1-4 All Connect Jefferson County at this time does not have an ETC license, but if funding were to be provided we would meet the requirements set forth by the FCC.

List of Anchor Institutions : With 3855 private businesses and 12,629 self-employed home businesses, the county is in need of broadband expansion to serve areas that have either low-speed or no known broadband service. Along with these private businesses our consortium has identified the following service centers to be served with the completion of this project:

- 1) Eleven (11) school districts that include sixty one (61) school buildings.
- 2) Jefferson College which has three campus areas across the county.
- 3) Jefferson County Government to include Jefferson County Libraries and all municipal services
- 4) Mercy Hospital of Festus.

Proposed Technology: The 1-4 All Connect Jefferson County plans to utilize RF Wi-Fi and Wi-Max Technologies to offer broadband services starting at 5Mbps. These initial speeds will be expanded over the course of a three year phase-in to expand service speeds up to 20Mbps. Service fees will be priced according to tiers on a monthly fee of \$20 (5Mbps), \$25 (10Mbps) and \$30 (20Mbps).

State and/or Local Government Participation and /or Support of the Project: The 1-4 All Connect Jefferson County project is very unique in the fact that we are going to use exiting 911 Communications towers (18 in total) as our back bone infrastructure for placement of the Wi-Fi and Wi-Max technology.

1-4 All Connect Jefferson County

These towers are already in place and have been built with engineering reviews and service placement in mind. Further, we are working with 11 public schools and Jefferson College to create life-long learners with Pre-kindergarten through college education training. To date we have submitted and received one private grant for \$20,000 for design and implementation. The group has also attained local business support to complete engineering reviews of the county-wide service area.

Existing Providers: While multiple service providers do exist in Jefferson County the 1-4 All Consortium is working to address areas of the county that are not being served by the current business entities. The county is very diverse with a heavy population density in the northeast and central areas with sparse populations in the northwest and southern regions. As a result of this population make-up the service providers are not interested in expanding their current service models. 1-4 All plans to offer service to areas that are currently without or with limited high speed broadband.

Project Timeline: The eighteen (18) 911 communications towers are all in place ready to receive the 1-4 All Wi-Fi and Wi-Max technology. Engineering reviews of service areas have been completed and models for implementation have been designed and reviewed by the consortium. Spring testing for the central region is being designed and planned. Further, engineering and financial feasibility studies are scheduled upon the completion of the central area review within the next four months.

Scalability: 1-4 All has been mapped out in a three phase plan to provided broadband service to its 220,209 members. Because of the wireless technology involved with the model, project implementation will be completed in such a manner to offer almost instantaneous utilization upon the placement of the units on the towers.

Total Utility Investment: \$3 million dollars

Total Project Cost: \$6 million dollars. This equates to a cost amount of \$27.24 per individual in Jefferson County.

Respectfully,

A handwritten signature in black ink, appearing to read 'Clint D. Johnston', with a stylized flourish at the end.

Clint D. Johnston